

Water-Data Report 2008

405128074231401 Local number 272069- MW138

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Morris County, NJ

LOCATION.--Lat 40°51'28.1", long 74°23'13.9" referenced to North American Datum of 1983, Parsip-Troy Hills Twp, Morris County, NJ, Hydrologic Unit 02030103.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 35 ft. Upper casing diameter 2 in; top of first opening 15 ft, bottom of last opening 35 ft.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 6. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, Barometric pressure, 90+/-30 det ang	Dissolved oxygen, percent of saturation	pH, water, unfiltrd field, µS/cm	Specific conductance, water, deg C	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L			
	LSD (72019)	(00059)	Flow rate, gal/min	Flow period prior to sampling, minutes	Baro-correctd NTRU	Dissolved oxygen, mg/L	pH, std units	Temp, 25 degC	Temp, (00010)	Hardness, (00900)			
Jul 28...	1320	20.20	.18	145	44	752	6.1	62	6.5	1,510	15.7	440	115

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated.]

Date	Magnesium, water, filtrd, mg/L	Potassium, water, filtrd, mg/L	Sodium, water, filtrd, mg/L	ANC, wat unf	Alkalinity, fixed	Bicarbonate, wat flt	Chloride, infl tit	Fluoride, titr., field,	Silica, water, filtrd, mg/L as SiO2	Sulfate, water, filtrd, mg/L as (00950)	Residue water, filtrd, sum of constituents, (00945)	Residue water, on evap. at 180degC	Ammonia + org-N, water, filtrd, mg/L as N
	(00925)	(00935)	(00930)	(90410)	(39086)	(00453)	(00940)	(00950)	(00955)	(00945)	(70301)	(70300)	(00623)
Jul 28...	37.8	1.86	111	154	154	187	354	E.08	29.6	36.1	E782	962	<.14

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 3 of 13
 [Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, µg/L (01106)	Anti-mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium, water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)
Jul 28...	<.020	.95	<.002	.020	1.1	E1.1	<.14	.16	125	<.01	27	.08	2.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 4 of 13
 [Remark codes: <, less than; E, estimated.]

Date	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Manganese, water, fltrd, µg/L (01056)	Mercury, water, fltrd, µg/L (71890)	Nickel, water, fltrd, µg/L (01065)	Selenium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Thallium, water, fltrd, µg/L (01057)	Zinc, water, fltrd, µg/L (01090)	1-Naphthol, water, fltrd, 0.7u GF (49295)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	2-Chloro-2',6'-diethyl-aniline, water, µg/L (61618)
Jul 28...	<1.0	9	<.08	3.6	<.010	2.5	.06	<.1	<.04	<1.8	<.04	<.006	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 5 of 13
 [Remark codes: <, less than; E, estimated.]

Date	2-Ethyl -6-methyl CIAT, water, fltrd, µg/L (04040)	3,4-Di-chloro-aniline, water, fltrd, µg/L (61620)	3,5-Di-chloro-aniline, water, fltrd, µg/L (61625)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61627)	Aceto-chlor, water, fltrd, µg/L (61633)	Alpha-Endochlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	Endo-sulfan, water, fltrd, µg/L (34362)	Atrazine, water, fltrd, µg/L (39632)	Axon, water, fltrd, µg/L (61635)	Azinophos-methyl, water, fltrd, µg/L (82686)	Azinophos-methyl, water, fltrd, µg/L (82673)	Benzofuran, water, fltrd, µg/L (82680)
Jul 28...	<.014	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.06	<.120	<.010	<.060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

[Remark codes: <, less than; E, estimated.]

Date	Carbo-furan, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos oxon, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos water, fltrd, 0.7u GF μg/L (82687)	cis-Per-methrin water 0.7u GF μg/L (79846)	cis-Propi-conazole, water, fltrd, 0.7u GF μg/L (04041)	Cyana-zine, water, fltrd, 0.7u GF μg/L (04041)	Cyllu-thrin, water, fltrd, 0.7u GF μg/L (61585)	Iambda-thrin, water, fltrd, 0.7u GF μg/L (61595)	Cyhalo-thrin, water, fltrd, 0.7u GF μg/L (61586)	Cyper-methrin water, fltrd, 0.7u GF μg/L (82682)	DCPA, water, fltrd, 0.7u GF μg/L (62170)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (39572)	Diazi-non, water, fltrd, μg/L (38454)
Jul 28...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 13

[Remark codes: <, less than; E, estimated.]

Date	Diel-drin, water, fltrd, 0.7u GF μg/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-ton sulfone water, fltrd, 0.7u GF μg/L (61640)	Disulf-ton, water, fltrd, 0.7u GF μg/L (82677)	Endo-sulfan sulfate water, fltrd, 0.7u GF μg/L (61590)	EPTC, water, fltrd, 0.7u GF μg/L (82668)	Ethion monoxon water, fltrd, 0.7u GF μg/L (61644)	Ethion Ethion, water, fltrd, 0.7u GF μg/L (82346)	Etho-prop, water, fltrd, 0.7u GF μg/L (82672)	Fenami-phos sulfone water, fltrd, 0.7u GF μg/L (61645)	Fenami-phos sulf-oxide, water, fltrd, 0.7u GF μg/L (61646)	Fenami-phos, water, fltrd, μg/L (61591)	Desulf-inyl-fipro-nil water, amide, wat flt μg/L (62169)
Jul 28...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 13

[Remark codes: <, less than; E, estimated.]

Date	Fipro-nil sulfide water, fltrd, 0.7u GF μg/L (62167)	Fipro-nil sulfone water, fltrd, 0.7u GF μg/L (62168)	Fipro-nil water, fltrd, 0.7u GF μg/L (62166)	Fonofos water, fltrd, 0.7u GF μg/L (04095)	Hexa-zinone, water, fltrd, 0.7u GF μg/L (04025)	Ipro-dione, water, fltrd, 0.7u GF μg/L (61593)	Isofen-phos water, fltrd, 0.7u GF μg/L (61594)	Mala-oxon, water, fltrd, 0.7u GF μg/L (61652)	Mala-thion, water, fltrd, 0.7u GF μg/L (39532)	Metaxyl, water, fltrd, 0.7u GF μg/L (61596)	Methid-athion, water, fltrd, 0.7u GF μg/L (61598)	Methyl-paraoxon, water, fltrd, 0.7u GF μg/L (61664)	Methyl-parathion, water, fltrd, 0.7u GF μg/L (82667)
Jul 28...	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

[Remark codes: <, less than; E, estimated.]

Date	Metola-	Metri-	Moli-	Oxy-	Pendi-	meth-	alin,	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-	
	chlor,	buzin,	nate, water,	Myclo-	fluor-		al, water,	oxon,	water,	oxon,	water,	ton, water,	tryn, water,	zamide, water,	
	water,	water,	water,	butanil	fen,		water,	water,	filtrd	water,	filtrd	filtrd,	filtrd,	filtrd	filtrd
	filtrd,	filtrd,	0.7u GF	filtrd,	filtrd,		filtrd	0.7u GF	filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	filtrd	0.7u GF
Date	μg/L	μg/L	μg/L	μg/L	μg/L		μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(39415)	(82630)	(82671)	(61599)	(61600)		(82683)	(61666)	(82664)	(82668)	(61668)	(61601)	(04037)	(04036)	(82676)
Jul															
28...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.06	<.008	<.01	<.006	<.004		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

[Remark codes: <, less than; E, estimated.]

Date	Pro-	Propar-	Sima-	Tebu-	Ter-	bufos	Terbu-	Ter-	Thio-	trans-	Propi-	Tribu-	Tri-	1,1,1-	
	panil,	gite,	zine,	thiuron	Teflu-										
	water,	water,	water,	water,	thrin,		sulfone	water,	azine,	water,	zole,	phos,	water,	water,	water,
	filtrd	filtrd	filtrd,	filtrd,	0.7u GF		water,	filtrd	filtrd,	filtrd,	water,	filtrd,	filtrd,	filtrd	unfltrd
Date	0.7u GF		μg/L												
	μg/L	μg/L	μg/L	μg/L	μg/L		(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)
Jul															
28...	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated.]

Date	1,1-Di-	1,1-Di-	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Bromo-	Tri-	cis-	
	chloro-	di-	bromo-	Chloro-	1,2-Di-						
	CFC-113	ethane,	ethene,	benzene	ethane,	propane	benzene	Benzene	methane	methane	ethene,
	water,										
	unfltrd										
Date	μg/L										
	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)
Jul											
28...	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

[Remark codes: <, less than; E, estimated.]

Date	Di-bromo-	Di-chloro-	Di-chloro-	Di-ethyl	Diisopropyl	Ethyl-ether,	tert-pentyl	meta-+ para-	o-Xylene,	Styrene	t-Butyl	Methyl	Tetra-
	chloro-methane water, unfltrd	chloro-fluoro-methane wat unf	chloro-methane water, unfltrd	ether, unfltrd	benzene water, unfltrd	water, unfltrd	ether, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	ethyl ether,	t-butyl ether,	chloro-ethene, water, unfltrd
	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)
Jul 28...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

[Remark codes: <, less than; E, estimated.]

Date	trans-1,2-Di-chloro-		Tri-chloro-fluoro-			Vinyl chloride,	Di-chlorovos,	Alpha radioac	Alpha radioac	Beta radioac	Beta radioac	
	Tetra-chloro-methane water, unfltrd	Toluene water, unfltrd	ethene, unfltrd	chloro-ethene, unfltrd	methane unfltrd	chloro-methane unfltrd	water, unfltrd	water, filtrd,	30 day, wat flt	72 hr, wat flt	30 day, wat flt	72 hr, wat flt
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	µg/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jul 28...	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.01	2.8	3.4	2.5	2.1